

TARGET 3A & 3B

Name _____ Date _____

Write an inequality that represents each verbal expression.

1. a is greater than 4.

$$a \square 4$$

2. c is less than or equal to -2 .

$$c \square -2$$

3. m is greater or equal to 1.

$$m \square 1$$

4. f is less than 2.

$$f \square 2$$

Define a variable and write an inequality to model each situation.

5. No more than 10 people may use the treadmills at any time in the gym.

Let $n =$

$$n \square 10$$

6. To train for a marathon, a runner decides that she must run at least 12 miles each day.

Let $d =$

$$d \square 12$$

Graph each inequality.

7. $m < 1$

8. $n \geq 5$

Write an inequality for each graph.



Determine whether each number is a solution of the given inequality.

11. $5b - 7 > 13$

a. -4

b. 4

c. 8

12. $2(m + 1) < -6$

a. -6

b. -4

c. -2

13. $\frac{8+h}{2} \leq 8$

a. 6

b. 8

c. 10

TARGET 3A & 3B ANSWERS

1. $>$

2. \leq

3. \geq

4. $<$

5. \leq

6. \geq

7.

8.

9. $x > -1$

10. $x \leq 0$

11. a) no b) no c) yes

12. a) yes b) no c) no

13. a) yes b) yes c) no